

# ARTIK 710 Developer Kit

# SIP-KITNXE001

Main Product Image	See "Artik 710 Dev Kit Hero Image.png" in zip file
Manufacturer Name	Samsung ARTIK
Product Category	Embedded Solutions
Samsung Part#	SIP-KITNXE001
Summary Description	Samsung ARTIK 710 WiFi BLE ZigBee Thread Dev Kit
Main Product Brief	See "Artik 710 Product Brief.pdf" in zip file

<b>Overview</b>	<p>ARTIK 710 gives you eight cores to serve effectively as a gateway for a large building or a factory and also run local analytics to improve latency and responsiveness. It also provides multiple connectivity solutions to communicate with your things, and has a high-end multimedia processor to handle video and audio processing.</p> <p>Samsung's ARTIK 710 Developer Kit is the perfect choice for developing products for the Internet of Things (IoT). The kit includes an ARTIK 710 system-on-module mounted on a development board with built-in Wi-Fi, Zigbee®, and Bluetooth® circuitry. Wireless antennas and an I/O interface board are included. (You will need to provide a power supply and USB cable).</p>
<b>Key Features</b>	<p>High performance, 8-core, 64-bit Cortex® A-53 processor with Wi-Fi®, Bluetooth®, ZigBee®, Thread</p> <p>ARM MALI™ GPU for multimedia, graphics applications</p> <p>1GB RAM, 4GB flash (eMMC)</p> <p>Enterprise-class security with hardware secure element and Secure OS</p> <p>Fedora Linux package with multimedia, connectivity, graphics, power management and security libraries</p>
<b>Use Cases</b>	<p>Factory automation</p> <p>Smart home gateway</p> <p>Building Automation controllers</p> <p>Multimedia applications</p>

Specifications	
CPU	8x ARM® Cortex®-A53@1.4GHz
GPU	Mali T400, 3D graphics accelerator
DRAM	1GB DDR3 @ 800MHz
FLASH	4GB eMMC v4.5
Camera I/F	4-Lane MIPI CSI
Display	4-Lane MIPI DSI up to FHD@24bpp, LVDS, HDMI v1.4
Audio	I2S audio interface
WLAN (Wi-Fi)	IEEE 802.11a/b/g/n/ac
Bluetooth	Bluetooth 4.1 + Smart
802.15.4	ZigBee + Thread
Ethernet	10/100/1000 Base-T MAC (External PHY required)
Analog and Digital I/O	GPIO, I2C, I2S, SPI, UART, PWM, SDIO, USB 2.0, JTAG, Analog Input
Secure Element	Root of Trust Key Storage, Crypto accelerators
Trusted OS	Secure OS
Operating Temperature	0C to 70C
Size	36mm x 49mm

## Kit Includes

1x ARTIK 710 Module  
1x Developer Board  
1x Interface Board  
2x Wireless antennas

## Additional Information - PDFs only

**See Zip file for additional PDFs**

Artik 710 Data Sheet  
Artik 710 User Guide

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Development Boards & Kits - ARM category](#):*

*Click to view products by [Samsung manufacturer](#):*

Other Similar products are found below :

[CWH-CTP-VSPA-YE](#) [CY4541](#) [EVAL-ADUCM320IQSPZ](#) [FRDM-KV31F](#) [POLYPOD-BGA324](#) [POLYPOD-TQ144](#) [POLYPOD-TQ176](#)  
[KEA128LEDLIGHTRD](#) [KIT\\_XMC42\\_EE1\\_001](#) [SAFETI-HSK-RM48](#) [LS1024A-RDB](#) [ADM00573](#) [FRDM-KL28Z](#) [PICOHOBBITFL](#)  
[MCIMX53-START-R](#) [TWR-K65F180M](#) [KEA128BLDCRD](#) [CC-ACC-MMK-2443](#) [STM8L1528-EVAL](#) [YSPKS5D9E10](#) [YGRPEACHFULL](#)  
[TWR-MC-FRDMKE02Z](#) [TWR-K80F150M](#) [CY14NVS RAMKIT-001](#) [EVALSPEAR320CPU](#) [EVB-SCMIMX6SX](#) [MAXWSNENV#](#) [FM0-64L-S6E1C3](#) [MAX32600-KIT#](#) [TMDX570LS04HDK](#) [Z32F3840100KITG](#) [LS1021A-IOT-B](#) [SK-FM3-100PMC-MB9BF516N](#) [TXSD-SV70](#)  
[YSTBS3A3E10](#) [YR8A77430HA02BG](#) [STM3240G-USB/NMF](#) [OM13080UL](#) [EVAL-ADUC7120QSPZ](#) [CYDP-KIT-13638](#) [OM13063UL](#)  
[ATAVRPARROT](#) [OM13090UL](#) [YSPEHMI1S20](#) [TXSD-SV71](#) [YGRPEACHNORMAL](#) [SK-FM3-176PMC-ETHERNET](#) [HVP-KV11Z75M](#)  
[OM13076UL](#) [LX2RDBKIT2-25G](#)